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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/911,04/11/600
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First Named Inventor	Glen H. ERIKSON
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Altorney Docket Number	E1047/20060

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		υ	S. PATENT	DOCUMENTS	
Examiner Initials*	Cite Na.	U.S. Patent Docum Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
M		U.S. No. 4,220,450		MAGGIO	09-02-1980
		U.S. No. 4,876,187		DUCK et al.	10-24-1989
		U.S. No. 4,963,477		TCHEN	10-16-1990
		U.S. No. 5,011,769		DUCK et al.	04-30-1991
		U.S. No. 5,332,659		KIDWELL	07-26-1994
		U.S. No. 5,403,711		WALDER et al.	04-04-1995
		U.S. No. 5,538,848		LIVAK et al.	07-23-1996
		U.S. No. 5,539,082		NIELSEN et al.	07-23-1996
		U.S. No. 5,558,998		HAMMOND et al.	09-24-1996
		U.S. No. 5,660,988		DUCK et al.	08-26-1997
		U.S. No. 5,705,346		OKAMOTO et al.	01-06-1998
		U.S. No. 5,707,801		BRESSER et al.	01-13-1998
1	-	U.S. No. 5,731,146		DUCK et al.	03-24-1998
		U.S. No. 5.800.984		VARY	09-01-1998

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
m		ABSTRACT of JP 5237000, YOSHITAMI (09-17-1993)	1
		BARAN et al., Nucleic Acids Research 25:297-303 (1997)	Τ
		BOHMANN et al., <i>Science</i> , 238:1386-1392 (Dec.1987)	T
		CARLSSON et al., 380 Nature 207 (March 21, 1996)	<u> </u>
		CHAN et al., J. Mol. Med. 75 Issue 4:267-282 (1997)	T
		DALRYMPLE et al., Nucleic Acids Research, Vol. 13, No. 21, pp. 7865-7879 (1985)	<u> </u>
		DURLAND et al., Biochemistry, 30:9246-9255 (1991)	T
		EGHOLM et al., 365 Nature 566 (7 October 1993)	T
		FLORIS et al., 260 Eur. J. Biochem. 801-809 (1999)	T
10		HILL et al., Methods in Enzymology, 278:390-416 (1997)	⇈
EXAMINER		DATE CONSIDERED DU/ 6	٠,

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Initials*	^	ìo.	L	Number		Kind Cod (if known	1				MM-DD-YY	
14				J.S. No. 5,800,992				ODOR et al.			09-01-199	-
			_	J.S. No. 5,814,447			_	HIGURO et al.			09-29-199	
1				J.S. No. 5,814,516				O-DINH			09-29-199	
$\vdash \vdash$				J.S. No. 5,824,477 J.S. No. 5,824,557				TANLEY URKE et al.			10-20-199 10-20-199	
				 				U et al.			12-08-199	
U.S. No. 5,846,729 U.S. No. 5,861,124				+	HOSOI et al.							
		U.S. No. 5,874,555				DERVAN et al.					01-19-1999	
			-	I.S. No. 5,888,739				TNER et al.	···		03-30-199	
				I.S. No. 5,912,332				GRAWAL et al.			06-15-199	
 - 			٠	I.S. No. 5,948,897			-	EN et al.			9-07-199	9
			├	I.S. No. 6,013,442				OLESAR et al.)1-11-200	
H	+		-	I.S. No. 6,017,709				ARDIN et al.			2-25-200	
			└	I.S. No. 6,027,880	-		CI	RONIN et al.			2-22-200	
W			U.	I.S. No. 6,046,004			W	U et al.			4-04-200	0
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Examiner	Cite			Foreign Patent Documen			Name	of Patentee or Applicant of Cited Doc	ument		Publication Document	T
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1			K	ADONAGA et al., Ce	ell, 51:	1079-10	090 (D	ec. 24, 1987)				
	1		K	UKRETI et al. 25 Nu	ıçleic A	Acids Re	esearc	h 4264-4270 (1997)				
<u> </u>	1			IARSH et al., Nucleio								\vdash
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	_	~~~~	M.	AZUMDER et al., Bi	ochen	nistry 35	:1376	2-13771 (1996)				

* Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

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SEN et al., *Nature* 334:364-366 (1988) SEN et al., *Biochemistry* 31:65-70 (1992)

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	1		U.S. No. 6			† –	$\neg +$	PICARD et al.			07-24-200	
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			U.S. ASN	09/013, 20		420	115	ERIKSON et al.		$\neg \uparrow$		
			U.S. ASN	09/664,82	27			ERIKSON et al.				
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W		wo	95/01370	A1		CHARDT et al.		01-12-1995
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. stitute for Form 1449A/PTO Complet if Known **Application Number** 09/911,047 INFORMATION DISCLOSURE Filing Date July 23, 2001 STATEMENT BY APPLICANT First Named Inventor Glen H. ERIKSON (use as many sheet as necessary) **Group Art Unit** 1655 **Examiner Name Attorney Docket Number** E1047/20060 Sheet of **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication of Cited Document Name of Patentee or Applicant of Cited Document Number Kind Code Initiate* No MM-DD-YYYY (if known) **FOREIGN PATENT DOCUMENTS** Foreign Patent Document Date of Publication of Cited Document Examine Initials* Name of Patentee or Applicant of Cited Document Office Number Kind Code (If known) WO 97/45539 KUBISTA et al. Α1 12-04-1997 GB 2333359 Α LEE et al. 07-21-1999 GB A GIBSON et al. 2338301 12-15-1999 WO 00/20633 **A1 BROOKES** 04-13-2000 OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), Cite Examiner T Initials* date, page(s), volume-issue number(s), publisher, city and/or country where published.

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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